BRUHATH BENGALURU MAHANAGARA PALIKE
Yelahanka Division, Yelahanka Zone
BBMP/2023-24/OW/WORK_INDENT2655

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/16/2023-24 Dated: 21-02-2024

APPROVED TENDER SCHEDULE - B

Item-1

Name of Work:-Construction of Additional floor to Govt. Primary school at Ambedkar nagara Yelahanka New Town in ward No 04

Sl	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri VISHWANATH P	
				Rate	Rate in words
1	Providing and laying in position reinforced cement concrete for all super structure of building, Road works, irrigation works & super structure works of bridges up to 3.50m height.The granite / trap / basalt crushed graded coarse aggregates fine aggregtes as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead and lifts, cost of all materials quality confirming to the requirements of relevant IS Codes, labour, usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications.(The cost of steel reinforcement & form work shall be paid separately) M 25 Design Mix Using 20mm nominal size graded crushed coarse aggregates. First Floor	Cum	55.23	9392.00	Nine Thousand Three Hundred NinetyTwo Only
2	Second Floor	Cum	36.94	9392.00	Nine Thousand Three Hundred NinetyTwo Only
3	Supplying, fitting and placing TMT FE 550 / 550 D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and Technical specification: First Floor	Tonne	10.49	102318.00	One Lakh Two Thousand Three Hundred Eighteen Only
4	Second Floor	Tonne	7.02	103331.00	One Lakh Three Thousand Three Hundred ThirtyOne Only
5	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications:	Sqm	169.83	1407.00	One Thousand Four Hundred Seven Only
6	Second Floor	Sqm	215.83	1421.00	One Thousand Four Hundred TwentyOne Only
7	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications	Sqm	21.60	1250.00	One Thousand Two Hundred Fifty Only
8	First Floor	Sqm	14.40	1262.00	One Thousand Two Hundred SixtyTwo Only

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	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri VISHWANATH P	
				Rate	Rate in words
9	Second Floor	Sqm	14.40	1275.00	One Thousand Two Hundred SeventyFive Only
10	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge	Sqm	124.64	291.00	Two Hundred NinetyOne Only
11	Second floor	Sqm	124.64	294.00	Two Hundred NinetyFour Only
12	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	272.70	440.00	Four Hundred Fourty Only
13	Second FLoor	Sqm	272.70	444.00	Four Hundred FourtyFour Only
14	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick / stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	151.47	404.00	Four Hundred Four Only
15	Second Floor	Sqm	151.47	408.00	Four Hundred Eight Only
16	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	236.92	3262.00	Three Thousand Two Hundred SixtyTwo Only
17	Second Floor	Sqm	236.92	3294.00	Three Thousand Two Hundred NinetyFour Only
18	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications First Floor	Cum	0.49	146487.00	One Lakh FourtySix Thousand Four Hundred EightySeven Only
19	Second Floor	Cum	0.49	147938.00	One Lakh FourtySeven Thousand Nine Hundred ThirtyEight Only
20	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)Ground Floor	Sqm	8.82	8429.00	Eight Thousand Four Hundred TwentyNine Only

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	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri VISHWANATH P	
				Rate	Rate in words
21	First Floor	Sqm	16.38	8514.00	Eight Thousand Five Hundred Fourteen Only
22	Second Floor	Sqm	18.90	8598.00	Eight Thousand Five Hundred NinetyEight Only
23	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	Kgs	1592.64	209.00	Two Hundred Nine Only
24	Second Floor	Kgs	1592.64	211.00	Two Hundred Eleven Only
25	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65 80mm size complete as per manufacturers specification & direction of Engineer in charge.Ground Floor	Mtr	22.80	360.00	Three Hundred Sixty Only
26	First Floor	Mtr	22.80	363.00	Three Hundred SixtyThree Only
27	Second Floor	Mtr	22.80	367.00	Three Hundred SixtySeven Only
28	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm Aluminium hinges with both side prelam Ground Floor	Sqm	6.30	2679.00	Two Thousand Six Hundred SeventyNine Only
29	First Floor	Sqm	6.30	2706.00	Two Thousand Seven Hundred Six Only
30	Second Floor	Sqm	6.30	2732.00	Two Thousand Seven Hundred ThirtyTwo Only

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	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri VISHWANATH P	
				Rate	Rate in words
31	Providing & fixing of 3 track x 2-panel sliding windows made out of multi chambered UPVC Matching to RAL 9016 sections and with minimum TiO2 Titanium Dioxide at 6PHR with TPE Thermo Plastic Elastomer and lead free, gaskets grey colour having isolated drainage and reinforced with Galvanized Iron profile through out the window frame. The outer frame having an overall size of 108 mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass standard hardware & Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm 2.5mm. Maximum possible size 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T& Ps shall not be made). Ground Floor	Sqm	16.20	7625.00	Seven Thousand Six Hundred TwentyFive Only
32	First Floor	Sqm	16.20	7702.00	Seven Thousand Seven Hundred Two Only
33	Second Floor	Sqm	16.20	7778.00	Seven Thousand Seven Hundred SeventyEight Only
34	Providing & fixing of louvered ventilator made out of multi chambered UPVC (Matching to RAL 9016) sections and with minimum TiO2 (Titanium Dioxide) at 6PHR with TPE (Thermo Plastic Elastomer) and lead free with gaskets grey colour having isolated drainage and reinforced with Galvanized Iron profile through out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium powder coated in white will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm. Maximum possible size 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&Ps shall not be made). Ground Floor	Sqm	1.62	6476.00	Six Thousand Four Hundred SeventySix Only
35	First Floor	Sqm	1.62	6541.00	Six Thousand Five Hundred FourtyOne Only
36	Second Floor	Sqm	1.62	6606.00	Six Thousand Six Hundred Six Only
37	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. Ground Floor	Sqm	17.82	157.00	One Hundred FiftySeven Only
38	First Floor	Sqm	17.82	158.00	One Hundred FiftyEight Only
39	Second Floor	Sqm	17.82	160.00	One Hundred Sixty Only

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	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri VISHWANATH P	
				Rate	Rate in words
40	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding for Bathrooms: Toilet: Chemically exposed areas and joints filled with acid and/or alkali resisting cement as per IS : 4457, In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) with Acid and alkali resistant tile complete as per the direction of Engineer-in- Charge. In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) with Acid and alkali resistant tile. Ground Floor	Sqm	10.80	1411.00	One Thousand Four Hundred Eleven Only
41	First Floor	Sqm	10.80	1425.00	One Thousand Four Hundred TwentyFive Only
42	Second Floor	Sqm	10.80	1439.00	One Thousand Four Hundred ThirtyNine Only
43	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Ground Floor	Sqm	34.02	1640.00	One Thousand Six Hundred Fourty Only
44	First Floor	Sqm	34.02	1657.00	One Thousand Six Hundred FiftySeven Only
45	Second Floor	Sqm	34.02	1673.00	One Thousand Six Hundred SeventyThree Only
46	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge. Ground Floor:-	Sqm	397.51	113.00	One Hundred Thirteen Only
47	First Floor:-	Sqm	397.33	114.00	One Hundred Fourteen Only
48	Second Floor:-	Sqm	397.33	115.00	One Hundred Fifteen Only
49	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. Ground Floor	Sqm	397.52	189.00	One Hundred EightyNine Only
50	First Floor	Sqm	397.34	191.00	One Hundred NinetyOne Only
51	Second Floor	Sqm	397.34	192.00	One Hundred NinetyTwo Only
52	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. Ground Floor	Sqm	101.07	400.00	Four Hundred Only
53	First Floor	Sqm	101.07	404.00	Four Hundred Four Only

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	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri VISHWANATH P	
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54	Second Floor	Sqm	101.07	408.00	Four Hundred Eight Only
55	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.	Sqm	127.57	934.00	Nine Hundred ThirtyFour Only
56	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Unit	8.00	6768.00	Six Thousand Seven Hundred SixtyEight Only
57	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wallswherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15mm C.P. brass pillar taps	Nos	6.00	3490.00	Three Thousand Four Hundred Ninety Only
58	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore	Nos	50.00	345.00	Three Hundred FourtyFive Only
59	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore	Nos	25.00	355.00	Three Hundred FiftyFive Only
60	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal dia pipes	Mtr	100.00	245.00	Two Hundred FourtyFive Only
61	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes 100mm diameter	Mtr	70.00	329.00	Three Hundred TwentyNine Only
62	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity)	Ltr	200.00	10.00	Ten Only
63	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/ m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drain age of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.	Sqm	507.60	1324.00	One Thousand Three Hundred TwentyFour Only

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	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri VISHWANATH P	
				Rate	Rate in words
64	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A. Short point upto 3Mtr from tapping point to out let via switch box	Each	5.00	258.00	Two Hundred FiftyEight Only
65	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Each	15.00	371.00	Three Hundred SeventyOne Only
66	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 sqmm..	Mtr	500.00	26.00	TwentySix Only
67	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.2.5 sqmm..	Mtr	300.00	41.00	FourtyOne Only
68	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 4 sqmm..	Mtr	35.00	60.00	Sixty Only
69	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way.	Each	30.00	126.00	One Hundred TwentySix Only
70	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8Way.	Each	15.00	257.00	Two Hundred FiftySeven Only
71	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module.	Each	25.00	156.00	One Hundred FiftySix Only
72	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 8 Module.	Each	25.00	310.00	Three Hundred Ten Only
73	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps one way.	Each	55.00	90.00	Ninety Only
74	Stepped Fan Regulator.	Each	15.00	322.00	Three Hundred TwentyTwo Only
75	16Amps one way switch.	Each	45.00	256.00	Two Hundred FiftySix Only
76	LED Indoor Supplying of 2 feet LED PVC Square Batten W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI 80. Power Input: 220-240V 50Hz & Power factor 0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4 28 watts complete and as per the directions of the Engineer-in-charge of the work.	Each	25.00	510.00	Five Hundred Ten Only

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	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri VISHWANATH P	
				Rate	Rate in words
77	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition..	Each	20.00	1521.00	One Thousand Five Hundred TwentyOne Only
78	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP.	Each	2.00	538.00	Five Hundred ThirtyEight Only
79	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 12Way SP &N.	Each	2.00	2127.00	Two Thousand One Hundred TwentySeven Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.

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